BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Subsidiary Diploma in Construction and the Built Environment Pearson BTEC International Level 3 Foundation Diploma in Construction and the Built Environment Pearson BTEC International Level 3 Diploma in Construction and the Built Environment Pearson BTEC International Level 3 Extended Diploma in Construction and the Built Environment Pearson BTEC International Level 3 Diploma in Civil Engineering Pearson BTEC International Level 3 Extended Diploma in Construction and the Civil Engineering Pearson BTEC International Level 3 Diploma in Building Services Engineering Pearson BTEC International Level 3 Extended Diploma in Building Services Engineering
Unit number and title	Unit 15: Measurement Techniques in Construction
Learning aim(s) (For NQF only)	Learning Aim A: Examine the measurement rules for building and civil engineering
Assignment title	Rules of Measurement
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	Whilst working for a large regional contractor in your role as a trainee quantity surveyor you have recently been promoted within the estimating team. One of your new duties is to work with new trainees and work placement students. One of the areas you have identified as problematic, is introducing the concept of standard methods of measurement and the basic processes of quantity surveying. When you were a trainee you felt it would have been very useful for you to have a practical guide/introduction to estimating and quantity surveying. Therefore, to help the new trainees you feel it will be beneficial to produce such a document. This document will explain the basic principles and the use of standard methods of measurement.
Task 1	Produce a practical guide/introduction document for trainee surveyors which considers the following: • The use and application of approx. quantities • The use and application of detailed quantities • Standard methods of measurement for building and civil engineering projects, including: o Their use and application o The process of using them o The benefits of using them

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	o Examples of how they might be used. • Evaluate the use of recognised standard methods of measurement to ensure consistency when tendering and estimating for buildings and civil engineering projects.
Checklist of evidence required	To complete this undertaking, you will have produced a detailed and comprehensive guide to the standard methods of measurement used in building and civil engineering projects. The document is intended to be a training aid and as such should be clear, concise and where possible interactive. As a minimum, you will have considered: • How approx. and accurate quantities are used by the quantity surveyors • Different standard methods of measurement for building and civil engineering projects • The use of standard methods of measurement for building and civil engineering projects

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
15/A.P1	Explain how approximate and accurate quantities are used for different applications by quantity surveyors.
15/A.P2	Explain the reasons for the use of a recognised standard method of measurement.
15/A.M1	Discuss the benefits of using recognised standard methods of measurement for buildings and civil engineering projects.
15/A.D1	Evaluate the use of recognised standard methods of measurement to ensure consistency when tendering and estimating for buildings and civil engineering projects.

Sources of information to support you with this Assignment	Pearson BTEC National Construction Student Book Authors: Simon Topliss, Mike Hurst, Simon Cummings. Sohrab Donyavi Cartlidge D, - *Quantity Surveyors Pocket Book* 3rd Ed (Routledge 2017), ISBN: 978-1138698369 Cartlidge D, - *Estimators Pocket Book* (Routledge 2013), ISBN: 978-0415527118 Lee S, Trench W, Willis A – *Willis's Elements of Quantity Surveying* (Wiley Blackwell 2014), ISBN: 978-1118499207 Brook M, - *Estimating and Tendering for Construction Work* (Routledge 2016), ISBN: 978-1138838063 Further Resources may be found at qualifications.pearson.com/en/support/published-

	resources.html
Other assessment materials attached to this Assignment Brief	*None*